

Claims

- [c1] (1)A display apparatus comprising:
a display panel for displaying an image;
a light source for supplying light to the display panel;
a flat-surface lighting surface member which has a lighting surface emitting light, radiated from the light source, as a flat-surface light while being arranged with the display panel; and
a housing that contains the display panel, the light source, and the lighting surface member, and has a window through which light from the lighting surface member leaks to the outside.
- [c2] (2)The display apparatus according to Claim 1, wherein the lighting surface member has a back surface facing the lighting surface, and wherein light passing through the back surface passes the window to leak to the outside.
- [c3] (3)The display apparatus according to Claim 1, wherein the window comprises a through-hole or optically transparent material.
- [c4] (4)The display apparatus according to Claim 1, wherein a light quantity regulator adjusting the quantity of light passing the window.
- [c5] (5)The display apparatus according to Claim 1, wherein a condensing member for condensing light leaking from the window in a predetermined area is provided.
- [c6] (6)A liquid crystal display apparatus, comprising:
a liquid crystal display panel for displaying an image;
a light source for emitting light for image display;
a light guide plate that has a front surface and a back surface, the liquid crystal display panel being arranged on the front surface side of said light guide, and is used for leading light emitted from the light source to the liquid crystal display panel; and
a frame that holds the liquid crystal display panel, the light source, and the light guide plate, and has an optically transparent area that transmits light emitted from a back surface of the light guide plate.
- [c7] (7)The liquid crystal display apparatus according to Claim 6, wherein a shutter that

can cover the optically transparent area is provided in the frame.

- [c8] (8)Electronic equipment comprising:
an input operation unit where operation keys are provided; and
an display unit that has a display panel displaying an image by receiving radiation of light, a light source for supplying the light, and an irradiating plate for radiating light emitted from the light source to the display panel, and that illuminates the input operation unit with a part of light radiated from the irradiating plate.
- [c9] (9)The electronic equipment according to Claim 8,
comprising a support arm that can move the display unit in front and back, and vertical directions against the input operation unit, and can support the display unit in arbitrary positions,
wherein, when the display unit is supported in a predetermined position by the support arm, the input operation unit is illuminated by a part of light radiated from the irradiating plate.
- [c10] (10)The electronic equipment according to Claim 8,
wherein the irradiating plate reduces illumination of light emitted from the light source, and the light whose illumination is reduced by the irradiating plate illuminates the input operation unit.
- [c11] (11)A computer system comprising:
an operation unit equipped with a keyboard as input means; and
a liquid crystal display unit having a liquid crystal panel displaying an image, a backlight unit supplying light to the liquid crystal panel, and a frame that holds the liquid crystal panel in a front surface side and the backlight unit in a back surface side,
wherein the backlight unit has a light source, a light guide plate that receives light emitted by the light source and emits flat-surface light from its own front surface side toward the liquid crystal panel, and a passive reflector which is arranged in a back surface side of the light guide plate and has translucency, and
a window that is formed in the back surface side of the frame leaks light being transmitted in the light guide plate and the passive reflector.

- [c12] (12)The computer system according to Claim 11, wherein the liquid crystal display unit is attached to the operation unit so that light leaking from the window can illuminate the operation unit.
- [c13] (13)The computer system according to Claim 11, wherein a battery is provided as a driving source, and the light source emits light with this battery.
- [c14] (14)The computer system, comprising:
an operation unit equipped with a keyboard as input means;
a display panel displaying an image depending on contents of an operation in the operation unit;
a light source emitting light for image display in the display panel and for illuminating the operation unit; and
an optical distributor that receives light emitted from the light source, and distributes the light for illuminating the operation unit and for the image display.
- [c15] (15)The computer system according to Claim 14, wherein the optical distributor consists of a plate having two surfaces facing each other while consisting of optically transparent material,
light, illuminating the operation unit is emitted, from one surface between the two surfaces, and light illuminating the operation unit is emitted from another surface between the two surfaces.
- [c16] (16)A computer system comprising:
an operation unit equipped with a keyboard as input means;
and a display unit equipped with a first surface displaying an image depending on contents of an operation in the operation unit and a second surface facing the first surface, and a light source supplying light for image display,
wherein a part of light supplied from the light source is radiated toward the first surface, and other parts leak from the second surface to illuminate the operation unit.
- [c17] (17)The computer system according to Claim 16, comprising: a window, from which light leaks and which is provided in the second surface, and a sliding shutter that can cover this window.